

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q89240

Motoaki KAMACHI, et al.

Appln. No.: Based on PCT/JP2004/000500

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: July 20, 2005

Examiner: Unknown

For: METHOD FOR ACYLTRANSFERASE REACTION USING ACYL COENZYME A

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; co-pending non-provisional U.S. applications filed after June 30, 2003; and the non patent literature documents. It is assumed that copies of the non patent literature references cited in the ISR are to be supplied from the International Bureau. However, if copies of the listed non patent references are needed, they can be furnished by applicant upon request.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for

INFORMATION DISCLOSURE STATEMENT  
U.S. Appln. No.: Based on PCT/JP2004/000500

continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents (International Search Report for PCT/JP2004/000500 dated May 11, 2004), together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: July 20, 2005

Substitute for Form 1449 A & B/PTO				Complete if Known <b>10/542733</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				Application Number	Based on PCT/JP2004/000500
				Confirmation Number	Unknown
				Filing Date	July 20, 2005
				First Named Inventor	Motoaki KAMACHI
				Art Unit	Unknown
				Examiner Name	Unknown
				Attorney Docket Number	Q89240
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 4,393,167		07-12-1983	Paul A. Holmes, et al.
		US			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)		
		WO	02/08428	A2	01-31-2002	METBOLIX, INC.
		JP	63-269989	A	11-08-1988	DOI YOSHIHARU
		JP	64-048821	A	02-23-1989	MITSUBISHI KASEI CORP
		JP	1-156320	A	06-19-1989	MITSUBISHI KASEI CORP
		JP	1-222788	A	09-06-1989	MITSUBISHI KASEI CORP
		JP	5-093049	A	04-16-1993	KANEGAFUCHI CHEM IND CO LTD
		JP	7-265065	A	10-17-1995	KANEGAFUCHI CHEM IND CO LTD
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		EP	0114086	A2	07-25-1984	IMPERIAL CHEMICAL INDUSTRIES PLC
		EP	0274151	A2	07-13-1988	Rijksuniversiteit te Groningen
		WO	99/14313	A2	03-25-1999	METABOLIX, INC

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.			
		Translation <sup>6</sup>			
		OUYANG, T., et al., "A new chemical method for synthesizing and recycling acyl coenzyme A thioesters", Journal of Organic Chemistry, (1991), Vol. 56, No 11, pages 3752 to 3755			
		NAGIEC M.M., et al., "The LCB2 gene of saccharomyces and the related LCB1 gene encode subunits of serine palmitoyltransferase, the initial enzyme in sphingolipid synthesis", Proc. Natl. Acad. Sci., USA, Vol. 91, (1994) pages 7899 to 7902			
		ANTONIO, R.V., et al., "Analysis of in vivo substrate specificity of the PHA synthase from Ralstonia eutropha: formation of novel copolyesters in recombinant Escherichia coli", FEMS Microbiology Letters, (2000), Vol. 182, No. 1, pages 111 to 117			
		YUAN, W., et al., "Class I and III polyhydroxy kanoate synthases from Ralstonia eutropha and Allochromatium vinosum; characterization and substrate specificity studies", Archives of Biochemistry and Biophysics, (2001), Vol. 394, No. 1, pages 87 to 98			
		NARIMATSU, S., et al., (Solubilization and partial characterization of fatty acyl-CoA: sphingosine acyltransferase (ceramide synthetase) from rat liver and brain", Biochimica et Biophysica. Acta, (1986), Vol. 877, No. 3, pages 334 to 341			

Examiner Signature	/Herbert Lilling/ (11/23/2007)	Date Considered	11/23/2007
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.